

**ABSTRACT**

Methods and systems for installing and monitoring a proximity sensor  
5 are disclosed. A target can be detected utilizing a sensor located proximate  
to the target. Data can be then automatically generated by the sensor,  
wherein the data comprises information indicative of the relative position of  
the target and the sensor. Thereafter, the data can be transmitted from the  
sensor to a mobile device (e.g., a PDA, laptop computer, etc) having a  
10 processor for processing the data and a graphical user interface, wherein the  
data can be displayed and manipulated by a user of the mobile device in  
order to accurately position the sensor and target for installation and  
maintenance thereof.